

**ATTENTION:**

*United States Environmental Protection Agency (USEPA)*

***FREEDOM OF INFORMATION ACT (FOIA) COPY***

**EPA EMISSION FAMILY CODE:**      ***9MDC2P2AABM1***

**REGARDING:**



***MIDWEST CAN COMPANY***

***CERTIFICATION APPLICATION***

***40 CFR, SUBPART F, CONTROL OF EVAPORATIVE EMISSIONS FROM  
NEW & IN-USE PORTABLE FUEL CONTAINERS***

***MIDWEST SPILL-PROOF SYSTEMS PETROLEUM PRODUCT  
(GASOLINE, DIESEL & KEROSENE)  
PORTABLE FUEL CONTAINER FAMILY  
with a MIDWEST SPILL-PROOF Spout***

***Application #08-12-31-versionC  
January 30, 2009***

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Midwest Can Company has been manufacturing fuel containers for over 35-years. What began as a product line consisting solely of metal containers has now become a complete product line of plastic fuel containers featuring the CARB Approved, Spill-Proof System Fuel Containers. I believe our company slogan states it best:

*"KEEPING IT ALL CONTAINED - WITH THE PRODUCTS AND SERVICES OF MIDWEST CAN COMPANY."*

With that in mind, Midwest Can Company would like to petition the United States Environmental Protection Agency (USEPA) to certify our MIDWEST SPILL PROOF SYSTEM® PETROLEUM PRODUCT PORTABLE FUEL CONTAINER FAMILY with a SPILL PROOF SPOUT® for legal sale in the United States of America in accordance to Federal Register Volume 82, No. 37 Rules and Regulations, 40 CFR Part 59.

As Midwest Can Company's Authorized Manufacturing Representative I can attest that the MIDWEST SPILL PROOF SYSTEM® PETROLEUM PRODUCT PORTABLE FUEL CONTAINER FAMILY with a SPILL PROOF SPOUT® has been tested and in conformance with the standards and requirements of the United States of America in accordance to Federal Register Volume 82, No. 37 Rules and Regulations, 40 CFR Part 59.. If you have any questions regarding this certification, feel free to contact me via phone or email.

Thank you,

John Evans  
Midwest Can Company's Manufacturer Authorized Representative  
Midwest Can Company  
1950 N Mannhuem  
Melrose Park, IL 60160  
Phone# (708) 615-1400  
Fax# (708) 615-0381  
Email: [johne@midwestcan.com](mailto:johne@midwestcan.com)



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Consulting Authorization Letter:



**MIDWEST CAN COMPANY**

1950 N. Mannheim Rd. Melrose Park, Illinois 60160  
(708) 615-1400 • (800) 548-7513 • FAX (708) 615-0381  
[www.midwestcan.com](http://www.midwestcan.com)

January 12, 2009

Mr. John LaCroix  
Compliance & Innovative Strategies Division  
Environmental Protection Agency

Dear John

Re: Portable Fuel Container Certification.

Midwest Can Company is designating;

Andy Meloeny  
Testing Services Group  
Lapeer, Mi.

As our Consultant with full authority to change, modify and submit portable fuel container applications on our behalf with the Environmental Protection Agency.

If you have any questions please contact me.

Sincerely

John C Evans

John C Evans                      Sales Manager

CC:    Andy Meloeny              Testing Services Group

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.

Manufacturer:	Midwest Can Company	
Description:	Non-metallic petroleum product container	
Trade Name:	MIDWEST SPILL PROOF SYSTEM	
EPA Emission Family Code:	9MDC2P2AABM1	
Models/Part# within Emission Family:	1200	6600
	2300	7600
	2600	8600
	5600	
Material:	High Density Polyethylene Blow Molding Grade HDPE co-extruded Polymetric material w/ a copolymer barrier material and an adhesive material located between layers	
Manufacturing Method:	Blow Molding	
Emission Control:		
Physical Dimensions:	Reference Section n	
Mediums:	Gasoline, Diesel & Kerosene	
Capacities:	1-gallon, 2-gallon, 5.0-gallon and 6.0-gallon	
Differences in configurations:	Capacity and color	

EACH DISTINGUISHABLE CONFIGURATION IN THE EMISSION FAMILY							
Part #:	1200	2300	2600	5600	6600	7600	8600
Rated Capacity:	1.0-gallon	2.0-gallon	2.0-gallon	5.0-gallon	6.0-gallon	5.0-gallon	5.0-gallon
Total Capacity:	1.0-gallon 4-ounces	2.0-gallon 8-ounces	2.0-gallon 8-ounces	5.0-gallons	6.0-gallons	5.0-gallons	5.0-gallons
Medium:	Gasoline	Gasoline	Kerosene	Gasoline	Gasoline	Kerosene	Diesel
Color:	Red	Red	Blue	Red	Red	Blue	Yellow
Height:	Reference Engineering Drawings Located in Section n						
Width:	Reference Engineering Drawings Located in Section n						
Length:	Reference Engineering Drawings Located in Section n						
Spout:	MIDWEST SPILL PROOF SYSTEM SPOUT						

EPA EMISSION FAMILY PHOTOGRAPHS:



1.0-GALLON  
GASOLINE



2.0-GALLON  
GASOLINE



2.0-GALLON  
KEROSENE



5.0-GALLON  
GASOLINE



6.0-GALLON  
GASOLINE













5.0-GALLON  
KEROSENE



5.0-GALLON  
DIESEL

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.

Manufacturer:	Midwest Can Company									
Description:	Non-metallic petroleum product container nozzle									
Trade Name:	MIDWEST SPILL PROOF SYSTEM NOZZLE									
EPA Emission Family Code:	9MDC2P2AABM1									
Applicable to Model #'s:	1200					6600				
	2300					7600				
	2600					8600				
	5600									
	COMPONENTS OF THE MIDWEST SPILL PROOF SYSTEM NOZZLE									
Description	Spout Body (Inner)	Spout Body (Outer)	C-Gasket	Tip O-Ring	Quad Seal	Vent Tube	Vent Cap	Spring Backing Ring (Washer)	Spring	Red Spout Cap
Part #	6086	6086	M277238	OR-0277222	11985F Coated	6086	6086	6086	4230	6086
Manufacturer	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company	Midwest Can Company
Material										
Method of Manufacturing	Injection Molded	Injection Molded	Stamped	Stamped	Stamped	Injection Molded	Injection Molded	Stamped	Formed	Injection Molded
DESCRIPTION OF THE AUTOMATIC CLOSURE MECHANISM:										
<p>The automatic closure mechanism is designed to be fail safe  The seal point on the spout is at the tip of the spout.  The spout is design to hold a spring between the inner tube (sleeve) and outer tube sleeve.  When activated for pouring the spring between the 2 sleeves is depressed, when pressure is lessened on the spout (spring) by lifting and or removing the spout from a target container the spring returns the outer sleeve to the closed position.</p>										

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

DETACHABLE COMPONENT PHOTOGRAPH:



- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (complete nozzle assembly):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***



- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (outer sleeve):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (spout base):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (air tube):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (vent cap):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (spring):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (C-gasket):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (Tip O-Ring):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

- a) Describe the emission family's specifications and other basic parameters of the emission controls. List each distinguishable configuration in the emission family. Include descriptions and part numbers for all detachable components such as spouts and caps.
- 

*Engineering Drawing of the MIDWEST SPILL PROOF Spout (Washer):*

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***



b) Describe and explain the method of emission control.

Emission Controls:	<p>Plastic fuel containers are manufactured from High Density Polyethylene Blow Molding Grade HDPE co-extruded Polymetric material with a copolymer barrier material and an adhesive material located between layers; automatic closing spout</p> <p>The Multilayer technology is as follows:</p> <div data-bbox="451 341 1008 487" style="background-color: black; width: 265px; height: 90px; margin-left: 10px;"></div> <p>f)</p>
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***CROSS SECTION OF THE WALL OF THE PFC***

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

c) Describe the products you selected for testing and the reasons for selecting them.

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➤ The products tested were:


1. Five-(5) 1.0-gallon, red gasoline, Midwest Can Company, Model #1200, Midwest Spill Proof PFC w/ a Midwest Spill Proof Nozzle

The reasons for their selection were as follows:

- ii. Since the emission units are grams/gallons/day, the “worst-case” component would be the minimum capacity PFC; in this case, the 1-gallon PFC.
- iii. A “gasoline” PFC was chosen due to the high production levels of this model.
- iv. The samples were chosen, at random, from a fully functional, test sample production line.
- v. The pigment of the red gasoline PFC compared to the blue Kerosene and the yellow Diesel PFC's is the only difference between each can type. This does not influence any emission control; the containers share the same barrier structure independent of color.

d) Describe the test equipment and procedures that you used, including any special or alternate test procedures you used (see §59.650)

**Calibrated Test Equipment Used for 40 CFR Part 59.563 (d) (1-9) Diurnal Emissions Testing:**

Instrument ID	Description	Model	Accuracy	Calibration Date	Due Date
20991	Scale	Sartorius FBG34EDE-HOUR	± 0.3 gms	11/5/08	11/5/09
30546	Liquid Flow Meter	GPI Electronic Digital Meter 01A	± 5% F.S.	8/13/08	2/13/09
20512	Temp. Recorder	Honeywell DR45AT-1111	± 2.0°C F.S.	4/4/08	4/4/09
TEST NOTES:					
 <i>TESTING WAS CONDUCTED AT TESTING SERVICES GROUP, LLC LOCATED IN LAPEER, MI. TSG IS AN INDEPENDENT TESTING LABORATORY AND A MEMBER IN GOOD STANDING WITH THE AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION (A2LA) SINCE FEBRUARY 2001. TESTING WAS CONDUCTED UNDER TSG PROPOSAL #8B0047.</i>					

**Test Procedures Used:**

**For U.S.E.P.A. Certification:**

- Evaporative Emission Standard, 40 CFR, Subpart F, Control of Evaporative Emissions from new and In-Use Portable Fuel Containers, Sections 59.650 to 59.653; no test procedure deviations or modifications were employed.

**Alternate Test Procedures:**

- The gasoline labeled components were tested in accordance to ASTM Designation F 852-99 (Reapproved 2006) Standard Specification for Portable Gasoline Containers for Consumer Use and its associated procedures.
- The diesel and kerosene components were tested in accordance to ASTM Designation F976-02 Standard Specification for Portable Kerosene and Diesel Containers for Consumers Use and its associated procedures.

- e) List the specifications of the test fuel to show that it falls within the required ranges specified in §59.650



11/05/08

**Gage Products Company**

821 Wanda Avenue • Ferndale, Michigan 48220

(248) 541-3824 • Fax (248) 541-0643

## CERTIFICATE OF ANALYSIS

Customer : TESTING SERVICES GROUP LLC

Product : 40085-55F C[E10]

Lot No. : 49128

Quantity : 110 GL

Test Performed	Specification	Test Results
TOLUENE, VOL%	44.0-46.0	45.4
ISOPARAFFINS, VOL%	44.0-46.0	44.6
ETHANOL, VOL%	9.0-11.0	9.5

This information is offered for your consideration, investigation and verification and should not be construed as a warranty or guarantee.

Approved By: *Safehold*

- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)
- 

**The below 1-year limited warranty is available on Midwest Can Company's website [www.midwestcan.com](http://www.midwestcan.com) . The reference to the warranty on the PFC itself can be found on the front label of each PFC.**

One Year from date of purchase, any part of a fuel container which fails due to a defect in materials or workmanship will be replaced free of charge. This warranty is extended to the original purchaser.

Some states do not allow the exclusion or limitations of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state.

To know what your legal rights are, consult your local or state affairs office or your Attorney General. This warranty is intended to be in lieu of all other warranties, whether express or implied, including the warranties of merchantability and fitness for a particular purpose

- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 1-GALLON GASOLINE PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"



1-gallon Gasoline



- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 2-GALLON GASOLINE PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"



2-gallon Gasoline

- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 5-GALLON GASOLINE PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"



5-gallon Gasoline



- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 6-GALLON GASOLINE PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"



6-gallon Gasoline

- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 5-GALLON DIESEL PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"



5-gallon Diesel



- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 2-GALLON KEROSENE PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"



2-gallon Kerosene

- f) Include the maintenance and use instructions and warranty information you will give to the ultimate purchaser of each new portable fuel container (see §59.613)

THIS LABEL HAS BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 5-GALLON KEROSENE PFC; THIS LABEL WILL BE AFFIXED ONTO THE FRONT SIDE OF THE PFC AND HAVE AN ACTUAL SIZE OF 4.0" X 5.5"

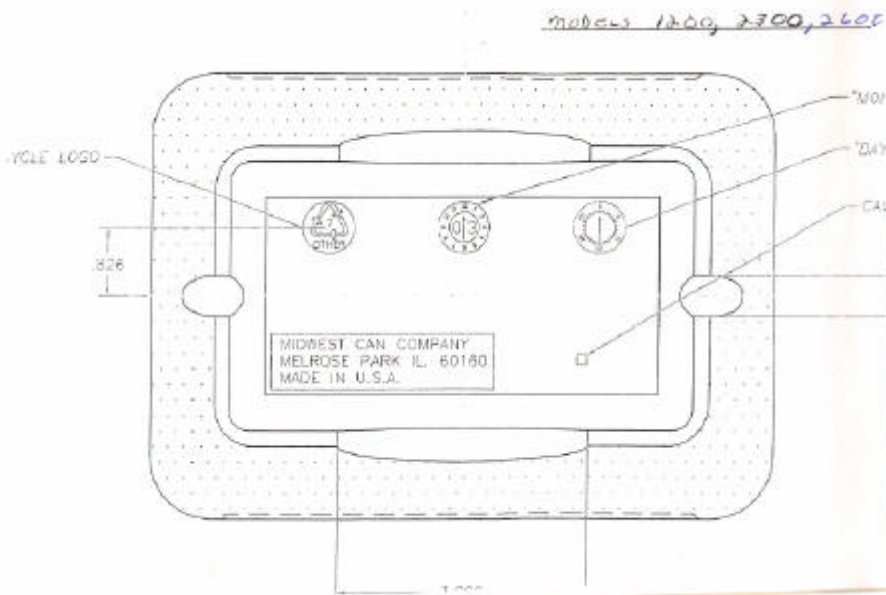




g) Describe your emission control information label (see §59.615)

**EMISSION CONTROL LABELS LOCATED ON THE BOTTOM OF ALL PORTABLE FUEL CONTAINERS:**

THESE LABELS HAVE BEEN MOLDED ONTO THE BOTTOM OF THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE BOTTOM OF ALL MIDWEST CAN SPILL PROOF SYSTEM CONTAINERS.



**REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION**

*“Date of Manufacture Wheel”*

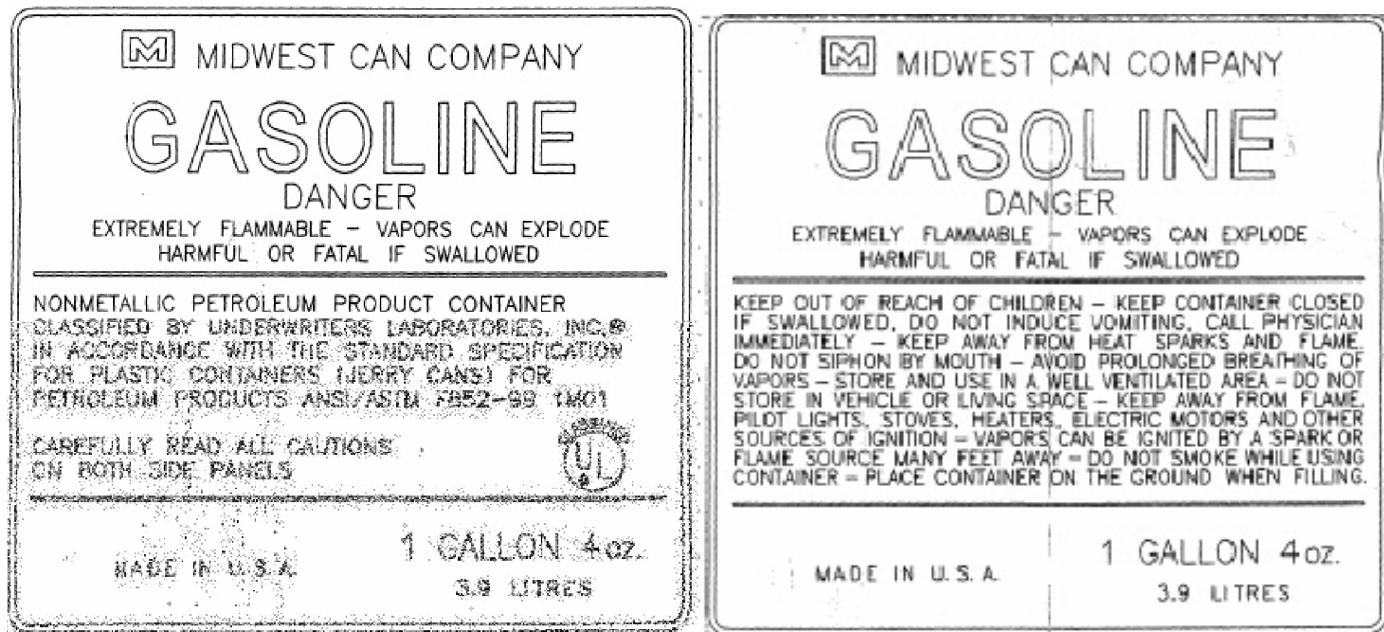
g) Describe your emission control information label (see §59.615)

**EMISSION CONTROL LABELS:**

*THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 1-GALLON GASOLINE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION*

**EMISSION CONTROL LABELS:**

*THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 1-GALLON GASOLINE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION*



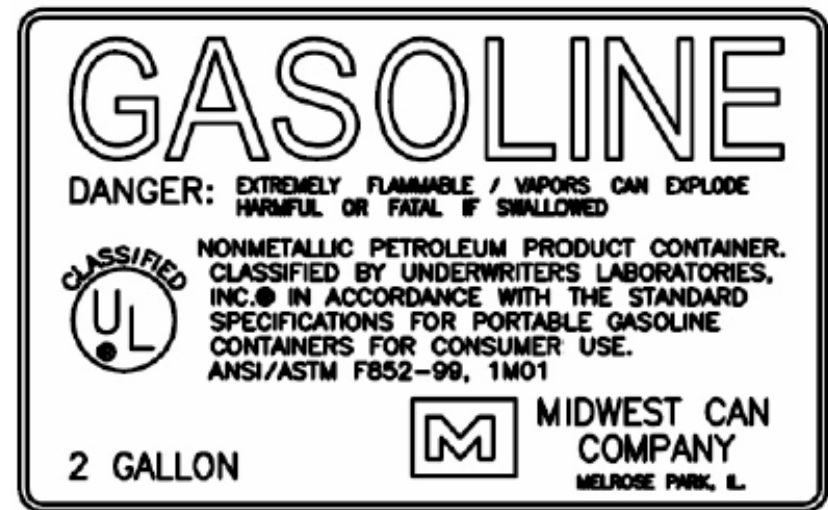
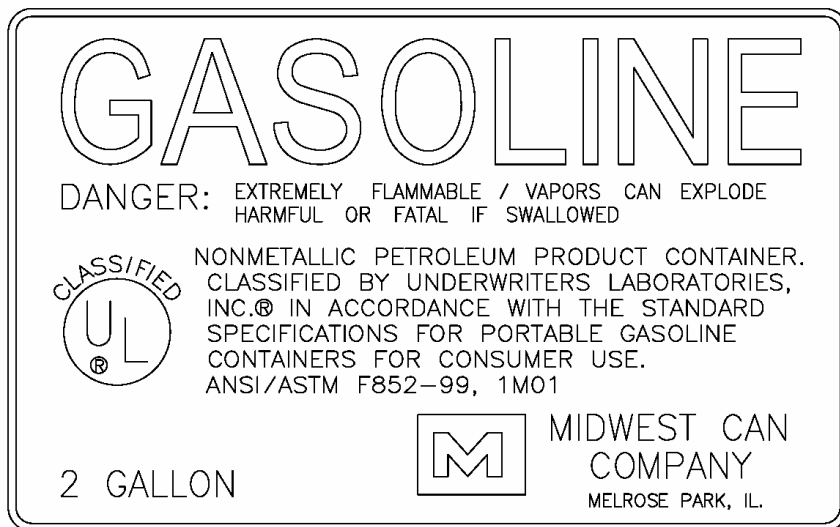
**RIGHT & LEFT SIDE OF THE 1-GALLON GASOLINE PFC**

g) Describe your emission control information label (see §59.615)

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**EMISSION CONTROL LABELS:**

***THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 2-GALLON GASOLINE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION***



**RIGHT & LEFT SIDE OF THE 2-GALLON GASOLINE PFC**

g) Describe your emission control information label (see §59.615)

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**EMISSION CONTROL LABELS:**

**THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 5-GALLON GASOLINE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION**



**RIGHT & LEFT SIDE OF THE 5-GALLON GASOLINE PFC**



g) Describe your emission control information label (see §59.615)

EMISSION CONTROL LABELS:

THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 6-GALLON GASOLINE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION



RIGHT & LEFT SIDE OF THE 6-GALLON GASOLINE PFC

g) Describe your emission control information label (see §59.615)

EMISSION CONTROL LABELS:

THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 5-GALLON DIESEL PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION



FRONT DIESEL  
ENGRAVING PANEL  
MATERIAL: 8081  
QTY: 1 SET



REAR DIESEL  
ENGRAVING PANEL  
MATERIAL: 8081  
QTY: 1 SET

RIGHT & LEFT SIDE OF THE 5-GALLON DIESEL PFC

g) Describe your emission control information label (see §59.615)

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**EMISSION CONTROL LABELS:**

**THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 2-GALLON KEROSENE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION**



**RIGHT & LEFT SIDE OF THE 2-GALLON KEROSENE PFC**

g) Describe your emission control information label (see §59.615)

EMISSION CONTROL LABELS:

THESE LABELS HAVE BEEN MOLDED INTO THE PFC. THE LABELS ON THIS PAGE HAVE BEEN EXPANDED TO CLEARLY SHOW THE VERBIAGE LOCATED ON THE 5-GALLON GASOLINE PFC; THESE LABELS WILL BE MOLDED ONTO THE LEFT AND RIGHT SIDE OF THE PFC; THEIR DIMENSIONS CAN BE FOUND IN SECTION n OF THIS APPLICATION



FRONT KEROSENE  
EMISSIONING PANEL  
MATERIAL: 8081  
QTY: 1 SET



REAR KEROSENE  
EMISSIONING PANEL  
MATERIAL: 8081  
QTY: 1 SET

RIGHT & LEFT SIDE OF THE 5-GALLON KEROSENE PFC

- h) State that your product was tested as described in the application (include the test procedures, test parameters and test fuels) to show you meet the requirements of this subpart
- 

As Midwest Can Company's authorized manufacturing representative I can attest to the following:

That the MIDWEST SPILL PROOF SYSTEM® PETROLEUM PRODUCT PORTABLE FUEL CONTAINER FAMILY with a SPILL PROOF SPOUT®:

- Was tested in accordance to the Evaporative Emission Standard, 40 CFR, Subpart F, Control of Evaporative Emissions from new and In-Use Portable Fuel Containers, Sections §59.650 to §59.653
- Is compliant with the requirements of Evaporative Emission Standard, 40 CFR, Subpart F, Control of Evaporative Emissions from new and In-Use Portable Fuel Containers, Sections §59.611

- i) Present emission data to show your products meet the applicable emission standards. Where applicable, §59.626 and §59.627 may allow you to submit an application in certain cases without new emission data.

Note:

TESTING WAS CONDUCTED AT TESTING SERVICES GROUP, LLC LOCATED IN LAPEER, MI. TSG IS AN INDEPENDENT TESTING LABORATORY AND A MEMBER IN GOOD STANDING WITH THE AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION (A2LA) SINCE FEBRUARY 2001; TESTING WAS CONDUCTED UNDER TSG PROPOSAL #8B0047.

		SAMPLE WEIGHTS (GRAMS) (TRIP BLANK CORRECTED)								
Sample ID	Component Capacity	Beginning	After 24-hours	After 48-hours	After 72-hours		Delta after 24-hours	Delta after 48-hours	Delta after 72-hours	Average
8B0047-01	1-gallon	2120.25	2120.16	-	-		0.09	-	-	-
8B0047-02	1-gallon	1953.99	1953.95	-	-		0.04	-	-	-
8B0047-03	1-gallon	1901.01	1900.96	-	-		0.05	-	-	-
8B0047-04	1-gallon	1812.58	1812.56				0.02			
8B0047-05	Trip Blank	9060.0	9060.0	-	-		0.00			
Temperature (°F)		-	-	-	-		TEST NOTES:  ➤ A diurnal temperature profile of 22.2°C to 35.6°C was followed.			
Relative Humidity (%)		-	-	-	-					
Bar. Press. (mbar)		-	-	-	-					
Test Fuel		CE10	CE10	-	-					
Date		11/19/08	11/20/08	-	-					

40 CFR Part 59.563 (d) (1-9) Diurnal Emissions:

Sample ID	Component Capacity	PFC Capacity (gallons)	Highest daily weight loss (grams)	Days on Test	Diurnal Rate (g/gallon/day)	EPA §59.611 Hydrocarbon Emission Limit (grams/gal/day)	Met EPA Requirement / Did Not Meet EPA Requirement
8B0047-01	1-gallon	1	0.09	1.0	0.1	= 0.3	Met Requirement
8B0047-02	1-gallon	1	0.04	1.0	0.0	= 0.3	Met Requirement
8B0047-03	1-gallon	1	0.05	1.0	0.1	= 0.3	Met Requirement
8B0047-04	1-gallon	1	0.02	1.0	0.0	= 0.3	Met Requirement

- The data derived from the durability portion of testing can be furnished upon request.

- j) Report all test results, including those from invalid tests or from any other tests, whether or not they were conducted according to the test procedures of §59.650 and §59.653. We may ask you to send other information to confirm that your tests were valid under the requirements of this subpart.

ASTM TEST PROCEDURES F852-99:

Sample Information					Test Data				
Sample ID #	Container Volume (gallons)	System Manufacturer	Spout Model	Container Model	Initial Weight (g)	Final Weight (g)	Delta Weight Loss (g)	% Weight Loss	(PASS / FAIL)*
8B0256-01	1	Midwest Can Company	Midwest Spill Proof System	Midwest Spill Proof System	3447.4	3446.7	0.7	0.02	PASS
8B0256-02	2	Midwest Can Company	Midwest Spill Proof System	Midwest Spill Proof System	6378.1	6377.2	0.9	0.01	PASS
8B0256-05	5	Midwest Can Company	Midwest Spill Proof System	Midwest Spill Proof System	15613.0	15612.0	1.0	0.01	PASS
8B0256-46	6	Midwest Can Company	Midwest Spill Proof System	Midwest Spill Proof System	18372.4	18371.0	1.4	0.01	PASS
TEST NOTES:									
<ul style="list-style-type: none"> <li>BASED UPON ASTM REQUIREMENTS SET FORTH IN ASTM F852-99 (Reapproved 2006)</li> <li>Testing was conducted from 10/17/08 to 11/17/08</li> </ul>									

- j) Report all test results, including those from invalid tests or from any other tests, whether or not they were conducted according to the test procedures of §59.650 and §59.653. We may ask you to send other information to confirm that your tests were valid under the requirements of this subpart.
- 

For U.S.E.P.A. Certification:

- No invalid testing to report.

For California Air Resource Board (CARB), CP-501 Certification:

- No invalid testing to report.

Alternate Test Procedures:

- No invalid testing to report.



- k) Unconditionally certify that all the products in the emission family comply with the requirements of this subpart, other referenced parts of the CFR and the Clean Air Act.
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As Midwest Can Company's authorized manufacturing representative I can attest to the following:

That the **MIDWEST SPILL PROOF SYSTEM® PETROLEUM PRODUCT PORTABLE FUEL CONTAINER FAMILY with a SPILL PROOF SPOUT®**:

- Were tested in accordance to the Evaporative Emission Standard, 40 CFR, Subpart F, Control of Evaporative Emissions from new and In-Use Portable Fuel Containers, Sections 59.650 to 59.653
- Is compliant with the requirements of Evaporative Emission Standard, 40 CFR, Subpart F, Control of Evaporative Emissions from new and In-Use Portable Fuel Containers, Sections 59.611

l) Include estimates of U.S.-directed production volumes

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As Midwest Can Company's authorized manufacturing representative I can attest to the following:

That the MIDWEST SPILL PROOF SYSTEM® PETROLEUM PRODUCT PORTABLE FUEL CONTAINER FAMILY with a SPILL PROOF SPOUT®:

- Annual ESTIMATED US-DIRECTED production volume will [REDACTED] and will be sold throughout the United States of America.

m) Include the information required by other sections of this subpart.

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- No additional information is required.

n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 1-gallon Gasoline PFC

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 2-gallon Gasoline PFC

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 5-gallon PFC for Gasoline

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 6-gallon PFC for Gasoline

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 5-gallon PFC for Diesel

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***



n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 2-gallon PFC for Kerosene

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

n) Include other relevant information, including any additional information requested by EPA.

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Engineering Drawing of the **MIDWEST SPILL PROOF SYSTEM** 5-gallon PFC for Kerosene

***REMOVED BECAUSE IT CONTAINED CONFIDENTIAL / PROPRIETARY INFORMATION***

n) Include other relevant information, including any additional information requested by EPA.

EPA CERTIFICATION INFORMATION:

NAME:	Midwest Can Company
TRADE NAME:	Midwest Spill Proof System with Spill Proof Spout
EPA EMISSION FAMILY CODE:	9MDC2P2AABM1
MATERIAL DESIGN DESCRIPTION:	High Density Polyethylene Blow Molding Grade HDPE co-extruded Polymetric material with a copolymer barrier material and an adhesive material located between layers; automatic closing spout
KEY EMISSION-RELATED COMPONENT(S):	High Density Polyethylene Blow Molding Grade HDPE co-extruded Polymetric material with a copolymer barrier material and an adhesive material located between layers; automatic closing spout
FUEL TYPE(S):	Gasoline, Diesel, Kerosene
CONTAINER SIZE(S):	1-gallon / 2-gallon / 5-gallon / 6-gallon
WARRANTY PERIOD:	One year from the date of sale to the ultimate purchaser
USEFUL LIFE:	5-years
PRODUCTION DATES: (5-YEAR INTERVAL)	January 1, 2009 – December 31, 2013
ORIGINAL FUEL CONTAINER MANUFACTURER / COUNTRY:	Midwest Can Company / U.S.A.
ORIGINAL FUEL SPOUT MANUFACTURER / COUNTRY:	Midwest Can Company / U.S.A.
CONFIDENTIAL STATEMENT:	Midwest Can Company considers ANY ENGINEERING DRAWINGS AND MATERIAL DESCRIPTIONS OF COMPONENTS <u>CONFIDENTIAL AND PROPRIETARY</u> and CAN NOT be released to the general public

- o) Name an agent for service located in the United States. Service on this agent constitutes service on you or any of your officers or employees for any action by EPA or otherwise by the United States related to the requirements of this subpart.
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As Midwest Can Company's authorized manufacturing representative I can attest to the following:

- That the Midwest Spill Proof System with Spill Proof Spout will be sold throughout all 50 United States of America and sold directly by Midwest Can Company approved vendors.
  - That the Midwest Spill Proof System with Spill Proof Spout Agent of Service will be Midwest Can Company.
  - That the Midwest Spill Proof System with Spill Proof Spout was tested to EPA's guidelines at Testing Services Group (TSG) located in Lapeer, Michigan; an independent fully accredited testing laboratory.
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Independent Test Laboratory Information:



Testing Services Group (TSG) is a member in good standing with the American Association for Laboratory Accreditation (A2LA) since February 2001. TSG has also earned the prestigious "Q1" supplier distinction from Ford Motor Company in 2004 and has maintained that status plus has added several other accreditations with other quality rating organizations. They are as follows:

**Company Certifications:**

American Association for Laboratory Accreditation (A2LA)  
APLAC – Asia Pacific Laboratory Accreditation Cooperation  
EA – European Cooperation for Accreditation  
ILAC – International Laboratory Accreditation Cooperation  
IAAC – Inter-American Accreditation Cooperation  
Ford Quality 1  
ABYC – American Boat and Yacht Council  
IMCI – International Marine Certification Institute  
California Fire Marshal

## Application Revision History

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APPLICATION #	VERSION	REASON	DATE
#08-12-31-versionA	A	<i>Released and submitted to EPA</i>	12/31/08
#08-12-31-versionB	B	<i>On page 51 - The Key emission related component was amended to describe the technology. On page 5 &amp; 17 - COEX was changed to coextruded;</i>	01/08/09
#08-12-31-versionC	C	<i>To remove confidentialities on pages 6, 30-36; to add a consulting authorization letter</i>	01/30/09